JX118717 Coprinopsis lagopus Nagy PS5
JN943125 Coprinopsis lagopus UNITE 1 maj EU
FN396116 Coprinopsis jonesii Wachter (type VT burn species)
C. brunneistragulata TYPE WA (not burn =jonesii Nagy =jonesii Wachter b/c of perisporium MK169330
JX118723 Coprinopsis jonesii NA Wachter
Coprinopsis jonesii/brunneistrangulata OR Alan iNat 112765727 (burn check perisporium)
JX118726 Coprinopsis jonesii Wachter
JN943111 Coprinopsis lagopus Nagy PS4
Coprinopsis lagopus PNW06 EU+NA AF345814
Coprinopsis lagopus PNW06 BTSP WA iNat22523403
Coprinopsis lagopides ENA (only Genbank but type EU) KM373258
HQ847020 Coprinopsis lagopus Nagy PS2 Wachter F PNW06
Coprinopsis lagopus PNW06 Vancouver BC MG953992
JX118713 Coprinopsis lagopus Nagy PS3
Coprinopsis lagopus (UNITE 3 EU) JX118714
Coprinopsis marcida TYPE MT MK169335 (=lagopus E Wachter =lagopus 3 Nagy)
Coprinopsis marcida OR 4/0 iNat18354892
Coprinopsis marcida WA iNat191152090
Coprinopsis pachyderma TYPE WA MK169350 (Wachter distinct Nagy lagopus PS6)
Coprinopsis brunneofibrillosa Wachter (Nagy lagopus PS6) JN943127
MK072829.1 possible Coprinopsis friesii Wachter
JN943123.1 Coprinopsis cf radiata
Coprinopsis tectispora TYPE WA JX118665
KU973838.1 Coprinopsis cf insignis
NR 148068 Coprinopsis fusispora TYPE HUN (as cinerea)
MN809536 Coprinopsis sylvicola TYPE OR ITS2 FVDB297
PSMS376 Coprinopsis sylvicola WA iNat123384774 (1/1 ITS2 type)
MK874606 Coprinopsis aff uliginicola CA JLF2756
Coprinopsis uliginicola TYPE WY KC992960
iNat18317641 Coprinopsis uliginicola (2/1 +3/1 noise near end) LaneCoOR
Coprinopsis ulignicola Beug WA iNat128905127
KT804041.1 Coprinopsis cf gonophylla
Coprinus (Coprinopsis) alnivorus (/Coprinopsis) TYPE WA MK169326
EF682101.1 Coprinopsis kubickae Wachter (C. phaeospora/psychromorbida are nearby)
Coprinopsis kubickae EU (only UNITE) MH422562 4/2/1
HQ847039.1 Coprinopsis sclerotiorum Wachter
KU933706.1 Coprinopsis sp. nov MX +Chile +chinese greenhouse (5/0 undulata) Wachter /Coprinopsis
Coprinopsis undulata TYPE WA MK169349
HQ847038.1 Coprinopsis subdomestica TYPE FL
Coprinopsis subdomestica JLF8953 OR iNat68954611
JF907840.1 Coprinopsis alcobae Wachter EU
KJ737436.1 Coprinopsis spilospora Wachter EU
KU670950.1 Coprinopsis spilospora Wachter EU
HQ847041.1 Coprinopsis spilospora Wachter EU
JX118699.1 Coprinopsis cf geesterani
AB071617.1 Coprinus cf phlyctidosporus
KF178382.1 Coprinopsis cf xenobia
JX118701.1 Coprinopsis cf krieglsteineri
JX118703.1 Coprinopsis cf erythrocephala
JX118674.1 Coprinopsis cf spelaiophila
Coprinopsis romagnesiana WA DQ486694
PSMS473 iNat135007703 Coprinopsis romagnesiana
iNat 21657816 Coprinopsis romagnesiana (melted) BTSP
iNat 18003119 Coprinopsis romagnesiana BTSP
Coprinopsis romagnesiana Wachter UDB019487
JX118698 Coprinopsis acuminata Nagy+Wachter
FN396123 Coprinopsis acuminata Wachter (atramentaria Nagy)
MP3954465 Coprinopsis striata WA
Coprinopsis striata WA iNat73510487
Coprinopsis striata Vancouver BC FJ627023
Coprinopsis pinguispora TYPE WA (=striata pages earlier 0/1) MK169337
Coprinopsis atramentaria (UNITE overwhelming EU+Wachter) FN396110
FM878014 Coprinopsis atramentaria (cf var squamosa) Wachter (romagnesiana Nagy)
C. depressiceps TYPE WA MK169334 (5/0 atramentaria +1/1 beg) ==Wachter
Coprinopsis pinguispora 2/0 iNat 34957791 WA (as atramentaria)
Coprinopsis striata as C. atramentaria NAMA 2018 OR MycoPortal 6598941
Coprinopsis striata TYPE WA MK169339 WTU-F-018314
HQ847019 Coprinopsis cinerea overwhelming EU +Wachter +Nagy (==fimetarius Wachter)
Coprinopsis sp. Wachter (as cf stercorea UNITE 4 in that section) FM878028
PSMS729 Coprinopsis PNW05 WA iNat134949788
PSMS750 Coprinopsis PNW05 WA iNat141233566
AY461828.1 Coprinopsis stercorea Wachter
Coprinopsis cf stercorea (UNITE 2 NOR) UDB037675
FM163180.1 Coprinopsis cf narcotica
JN943110.1 Coprinopsis picacea Wachter
MK874612.1 Coprinopsis picacea OR JLF4213 iNat61924615
MF773617.1 Coprinopsis strossmayeri Wachter (as cf variegata Peck) (UNITE NA 3/3)
LC146728.1 Coprinopsis strossmayeri Wachter
HQ847048.1 Coprinopsis strossmayeri Wachter
Coprinopsis aff strossmayeri Langley BC (UNITE consensus varies by 2.5) MH752456
Coprinopsis nivea WA Vashon (3/2) MO 337914 horse dung
PSMS479 iNat131287966 Coprinopsis nivea WA
iNat18020138 Coprinopsis nivea BTSPx4
Coprinopsis nivea Wachter UDB019531
Coprinopsis nivea (UNITE unanimous+Wachter) HQ847032
Coprinopsis aff canoceps 1 SWE (Orstadius+Wachter) KC992964
Coprinopsis aff canoceps 2 EU Wachter UDB017928
Coprinopsis canoceps CA (MO 352292) MK346221
40518 Coprinopsis canoceps (0/0 CA) BTSP WA (type OR)
Coprinopsis (Psathyrella) cf huronensis WA iNat142155141 (type MI)
match to western Coprinopsis cf huronensis OH (type MI)
AM712291.1 Psathyrella cf huronensis EU (type MI) 4/0 PNW
Coprinopsis marcescibilis 1871 EU (Wachter variable ITS) DQ389728
FM878020 Psathyrella marcescibilis EU Wachter
MK874596.1 Coprinopsis marcescibilis (3-5/2-3) OR JLF1788
PSMS326 Coprinopsis marcescibilis WA iNat116927653
FM878021 Coprinopsis marcescibilis EU Wachter
MH856199.1 Coprinopsis marcescibilis EU
ON142569.1 Coprinopsis marcescibilis EU
ON142570.1 Coprinopsis marcescibilis EU
Coprinopsis pseudomarcescibilis 2017 EU Wachter UDB028407
AM076653.1 Coprinopsis pseudomarcescibilis Wachter
KY698008.1 Coprinopsis pseudomarcescibilis TYPE SP
MK874600 Coprinopsis (Psathyrella) longipes OR JLF3727
MK874595.1 Coprinopsis longipes OR JLF1702 (0/0 OP470132)
OP470132.1 Coprinopsis longipes CA MO405380
MK874605 Coprinopsis longipes OR JLF6266
MK874599.1 Coprinopsis longipes WA JLF2836
MK874594 C. longipes OR JLF1665 (+1702 4838 2836 6266 2753 3727 2834)
MH333070.1 Coprinopsis longipes CA MO315652
MH321885.1 Coprinopsis longipes CA MO315567
Parasola conopilea TYPE SWE (Orstadius) (conopilea B Wachter) DQ389725
Parasola aff conopilea OR (1/1 CA) FJ899613
FM163224.1 Parasola conopilea A EU Wachter
MK968342.1 Parasola aff conopilea OR JLF2647 (2/0 CA)
MH125285.1 Parasola aff conopilea CA (4/2 Wachter B) (MO 312390)
Parasola auricoma HUN (UNITE 3 Nagy) FM163185
Parasola auricoma (UNITE 1+Wachter) JN943107
Parasola auricoma (UNITE 2+Wachter) KX212107
Parasola plicatilis NEOTYPE HUN FM163213
LC097065 Parasola neoplicatilis JAP
LC147075.1 Parasola neoplicatilis Wachter
LC097064.1 Parasola neoplicatilis Wachter
PSMS1464 Parasola neoplicatilis PNW01 WA iNat189690134
iNat 8636846 Parasola neoplicatilis PNW01 BTSP
iNat182405140 Parasola neoplicatilis PNW01 WA
MK397584 Galeropsis (Parasola) aporos TYPE FRA
KY928620.1 P. plicatilis-similis TYPE SWE (1/0 ITS2 aporos)
Parasola aporos 3/1 ITS1 WA iNat95094680 4000 (11x8.3u)
P. aporos/plicatilis-similis complex (4/0 ITS1 aporos) WA iNat103641630 40
PSMS737 Parasola PNW03 WA iNat140127381
Parasola PNW04 OR iNat124274770
PSMS478 iNat133702284 Parasola lactea WA
JN943113.1 Parasola lactea Wachter (as leiocephala)
Parasola lactea (Genbank unanimous) KY928614
HQ847028.1 Parasola sp. Wachter
Parasola leiocephala GER (=lactea Wachter) UNITE consensus+Nagy FM163194
Parasola lilatincta 2 complex Wachter UNITE EUx1 FM163196
FM163196.1 Parasola lilatincta complex Wachter
FM163200.1 Parasola lilatincta complex Wachter
FM163195.1 Parasola lilatincta complex Wachter
Parasola PNW05 WA iNat125884991
FM163202.1 Parasola lilatincta 2 complex Wachter
PSMS1453 Parasola PNW06 WA iNat188958169
Parasola lilatincta IN01 2 complex Wachter WA iNat31900391
Parasola lilatincta IN01 2 complex Wachter UNITE EUx1 +CAx1 KY928615
KP886464 Parasola lilatincta IN01 complex Wachter EU
KP886463 Parasola lilatincta complex Wachter EU
KP886462 Parasola lilatincta complex Wachter EU
Coprinellus flocculosus UNITE + genbank EU unanimous KM403380
Coprinus arachnoideus TYPE WA (=Coprinellus flocculosus) MK169328
Coprinopsis alutaceivelata TYPE WA (=Coprinellus flocculosus) MK169327
Coprinopsis bubalina TYPE CA (Matt) (=Coprinellus flocculosus)
Coprinellus PNW04 WA iNat177311173
OM397393.1 Coprinellus micaceus sensu SDR AZ
Coprinellus micaceus (UNITE EUx606 +ENA +WNA (NAMA2014 +BTSPx2) JN943116
Coprinellus micaceus WA iNat152768345
Coprinellus micaceus WA iNat143151528
Coprinellus micaceus WA iNat146546770
Coprinellus micaceus Vancouver BC (longer 2 indels at very end) HQ604762
OM212926.1 Coprinellus micaceus (IN02 sensu SDR) WA
MK968338.1 Coprinellus saccharinus OR iNat70119643 (3/0/5)
HQ834821.1 Coprinellus saccharinus Wachter EU (2/0/5)
MG966284.1 Coprinellus saccharinus America Wachter UT MO203511
MG696612.1 Coprinellus saccharinus Wachter EU
MG905362.1 Coprinellus micaceus America Wachter CA MO238033
JN159562.1 Coprinellus truncorum Wachter EU
KY243924.1 Coprinellus disseminatus America Wachter
Coprinellus disseminatus UNITE EUx420 JN159560
MK077858.1 Coprinellus disseminatus OR+ENA (4/5 chunks no eco/micro diffs)
PSMS424 Coprinellus disseminatus complex (5/6 chunks) OR iNat99402220
Coprinellus radians UNITE 2 (less likely) EU MK351750
JN943118.1 Coprinellus cf radians Wachter EU
MN044792.1 Coprinellus domesticus PNW02 OR (short) JLF2063
PSMS1501 Coprinellus bipellis CA01 WA iNat188943273
MK968337 C. domesticus PNW03 (aff Wachter xanthothrix 1 6/3) OR JLF4116
Coprinellus bipellis CA01 CA iNat145681255
Coprinellus bipellis CA01 CA iNat152912887
Coprinellus bipellis CA01 CA iNat148667334
Coprinellus xanthothrix Wachter 1/2 MH859998
ON406157 Coprinellus cf bipellis (Sri Lanka maybe) (type EU)
JQ946415.1 Coprinellus domesticus Wachter EU
Coprinellus domesticus Wachter EU (+UNITE Japan) AB817976
iNat10585401 Coprinellus radians IN03 BTSP
Coprinellus radians IN03 WA iNat146308617
Coprinellus radians IN03 WA iNat113516414
PSMS436 Coprinellus radians IN03 WA iNat109900677
MG920351 Coprinellus cf radians UNITE 1 EU (=Wachter LSPQ-NSM-017)
Coprinellus radians IN03 CA iNat99401108 (spores too small for radians)
PSMS895 Coprinellus radians IN03 WA iNat152696397
Coprinellus radians IN03 WA iNat147639808
iNat17478423 Coprinellus radians IN03 OR (3/1 UNITE EU 1)
PSMS891 Coprinellus radians IN03 WA iNat149368470
Tulosesus CA01 WA iNat196472280 (+CA iNatx2)
FN430687.1 Narcissea (Coprinellus) patouillardi Wachter EU
AY461826.1 Narcissea cordispora Wachter 2 CA
Narcissea (aff Coprinellus cf Coprinopsis) cordispora Wachter 1 (4/2) Vanc BC HM240520
Narcissea cordispora (Orstadius + Wachter 1/2) DQ389723
Tulosesus congregatus (UNITE+Wachter) JN159552
JN159532.1 Tulosesus velatopruinatus EU Wachter
Tulosesus velatopruinatus OR iNat85983600
JN159531.1 Tulosesus velatopruinatus EU Wachter
MN522306.1 Tulosesus velatopruinosus OR (env sample)
HQ847002.1 Tulosesus velatopruinatus EU Wachter
Tulosesus hiascens (UNITE+Wachter) JN159528
Tulosesus heterosetulosus (UNITE+Wachter) GU227708
JN943132.1 Tulosesus impatiens UNITE 1+Wachter EU
OM792769.1 Tulosesus impatiens PNW01 CA MO484927 (alleles)
MN044793.1 Tulosesus impatiens PNW01 CA ITS1
Tulosesus impatiens PNW01 WA iNat142377950
Tulosesus impatiens PNW01 WA iNat109900440 (7+/0 EU 1/0/3 CA)
Tulosesus impatiens PNW01 WA iNat116296404
Tulosesus impatiens PNW01 OR iNat146671600
Tulosesus subimpatiens UNITE EU 2 (+Wachter) (type MI) JN159542
Tulosesus (Coprinellus) subimpatiens UNITE EU 1 (type MI) MH857006
Tulosesus angulatus Peck (UNITE EU+1US+Wachter) HQ846994
Tulosesus eurysporus TYPE OR (Smith 28033) HQ846992
Coprinellus sclerocystidiosus complex Vanc BC Mary
Tulosesus sclerocystidiosus WA 4-5/0 RHM-19-15 (1 but just outside EU 1)
Tulosesus sclerocystidiosus OR iNat18657681 5/0
KC992942.1 Tulosesus sclerocystidiosus Wachter EU (1 species)
Tulosesus sclerocystidiosus WA iNat143151978
Tulosesus (Coprinellus) sclerocystidiosus UNITE+Wachter EU JN159539 (1 species)
Tulosesus sclerocystidiosus OR iNat96841963
iNat17478025 Tulosesus sclerocystidiosus 2/1 OR
Tulosesus sclerocystidiosus WA iNat182405973
MN044796 PSATHYRELLA UNDERWATER SP. (OUTGROUP)
0.050